



LED signage lighting systems
Channel Letters

Tetra[®] MAX

GE current
a Daintree company

Good things come in small packages

Our revolutionary **Tetra[®] MAX** LED signage modules have an all-new look. We've reduced the white module size by 25%, which brings our industry-leading 161 lm/W to a wider range of applications. And thanks to **OptiLens[™] X**, **Tetra[®] MAX** has an improved viewing angle of 175°, ensuring perfectly uniform sign face illumination. Get more light for less with **Tetra[®] MAX**.

Powerful OptiLens[™] X

Tetra[®] MAX features **OptiLens[™] X**, our patented technology that allows for an incredible 175° viewing angle. This exclusive technology redirects otherwise wasted light to the sign face, making sure your signs shine.

Power Supply Loading

The new 24V **Tetra[®] MAX** loading improves 45% from the previous 12V generation. Now load up to 87 feet (26.5 m) or 130 modules of product per GEPS24-100U-GL(X) power supply.

Improved stroke spacing

The new 24V **Tetra[®] MAX** stroke spacing has improved on average by 37%, thanks to the new **OptiLens[™] X** wide beam angle.



Tetra[®] MAX Features

- Wide 175° beam angle
- Improved luminous intensity
- Efficacy: 161 lm/W for the whites
- 24 Volt DC, Class 2 (UL), Class III (IEC)
- UL Wet Rated & IP66
- 10-year limited warranty

Tetra [®] MAX		
	Can Depth	Coverage
Medium	4-5" (102-127mm)	11-14" (279-356mm)
	5-6" (127-152mm)	14-17" (356-431mm)
Large	≥ 6" (152mm)	17-20" (431-508mm)

Total Reliability

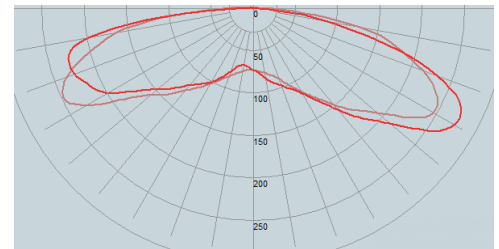
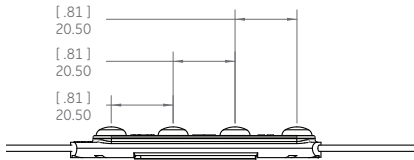
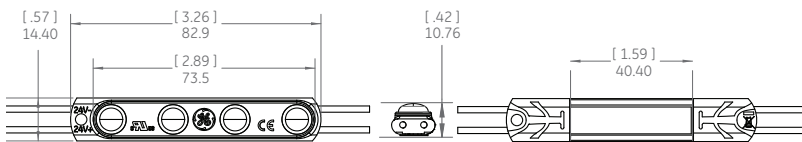
To ensure every Tetra[®] MAX installation will operate brilliantly for years, we perform the most extensive, stringent testing in the industry. We test the LED, water and dust ingress protection, sub-system and complete system at our in-house and independent laboratories around the world. Validation of our designs, components, products and processes include high temperature, high humidity and accelerated life testing.



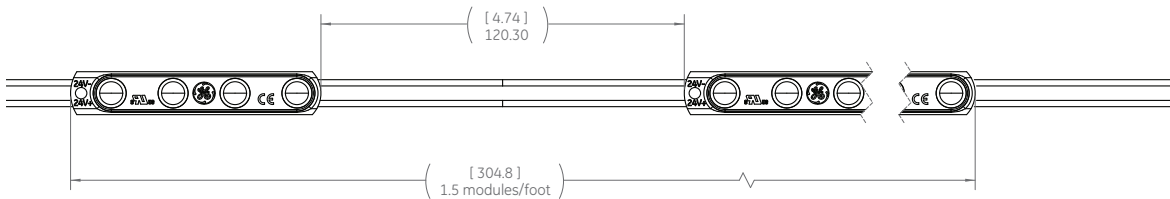
Mechanical Outline & Viewing Angle

Dimensions in (inches). Metric equivalent mm.

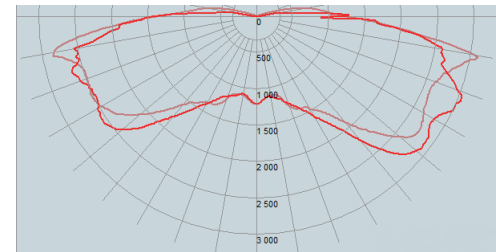
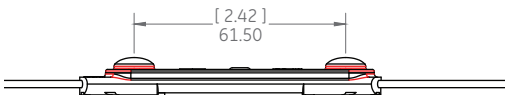
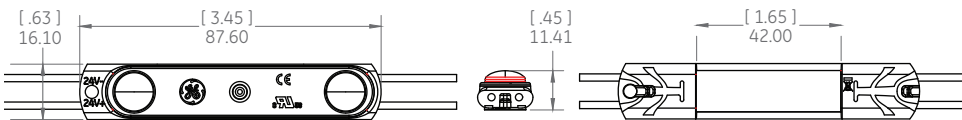
Tetra MAX 24V whites



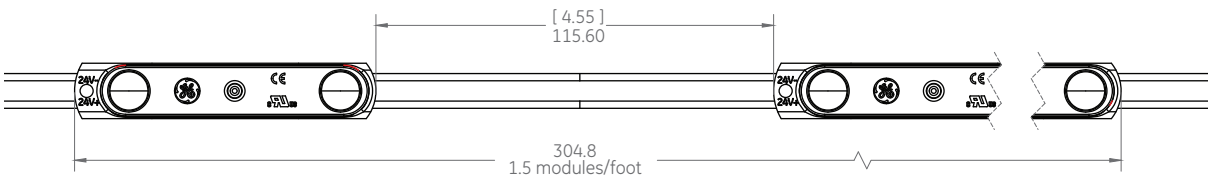
GEMX2471-W



Tetra MAX 24V colors



GEMX24BL-W1



Components

SKU	Description	Details	Color	Order Unit	Pkg. Quantity	Additional Information Stretched Wire
93053670	GEMX2471-W1	Tetra® MAX 24V 7100K	White	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93118641	GEMX2465-W1	Tetra® MAX 24V 6500K	Warm White	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93053675	GEMX2450-W1	Tetra® MAX 24V 5000K	Warm White	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93053676	GEMX2441-W1	Tetra® MAX 24V 4100K	Warm White	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93053677	GEMX2432-W1	Tetra® MAX 24V 3200K	Warm White	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93069935	GEMX24RD-W1	Tetra® MAX colors 24V – 625 nm	Red	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93070026	GEMXH24RD-W1	Tetra® MAX colors 24V HO – 625 nm	Red	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93070027	GEMX24GL-W1	Tetra® MAX colors 24V – 530 nm	Green	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93070028	GEMX24BL-W1	Tetra® MAX colors 24V – 470 nm	Blue	Box	5 Strips/Box	30 modules/strip (20 ft/strip)
93070029	GEMX24YG-W1	Tetra® MAX colors 24V – 589 nm	Amber	Box	5 Strips/Box	30 modules/strip (20 ft/strip)

Technical Specifications

Description	Wavelength/ CCT	Typical Brightness (Lumens/module)	Typical Brightness Lumen/ft (Lumen/m)	Energy Consumption (Strip/Module)	Energy Consumption (System/Module)	Power Supply Loading	Viewing Angle
GEMX2471-W1	7100K	100	150 (492)	0.62 W/module	0.73 W/module	87 ft (26.5 m) /100WPS	170
GEMX2465-W1	6500K	100	150 (492)	0.62 W/module	0.73 W/module	87 ft (26.5 m) /100WPS	170
GEMX2450-W1	5000K	100	150 (492)	0.62 W/module	0.73 W/module	87 ft (26.5 m) /100WPS	170
GEMX2441-W1	4100K	100	150 (492)	0.62 W/module	0.73 W/module	87 ft (26.5 m) /100WPS	170
GEMX2432-W1	3200K	90	135 (443)	0.62 W/module	0.73 W/module	87 ft (26.5 m) /100WPS	170
GEMX24RD-W1	625nm	20	30 (98)	0.46 W/module	0.54 W/module	120 ft (36.5 m) /100WPS	170
GEMXH24RD-W1	625nm	32	48 (158)	0.74 W/module	0.87 W/module	73 ft (22.3 m) /100WPS	170
GEMX24GL-W1	530nm	44	66 (217)	0.77 W/module	0.91 W/module	71 ft (21.7 m) /100WPS	170
GEMX24BL-W1	470nm	15	23 (74)	0.70 W/module	0.82 W/module	79 ft (23.9 m) /100WPS	170
GEMX24YG-W1	589nm	14	23 (74)	0.38 W/module	0.45 W/module	140 ft (42.6 m) /100WPS	170

Technical Specifications

Specification Item	White Modules	Colored Modules			
LEDs/Module	4	2			
LEDs/ft (LEDs/m)	6 (19.7)	3 (9.8)			
Modules/ ft. (Modules/m)	1.5 (4.9)	1.5 (4.9)			
Module Dimensions (h x l x w)	0.42 in x 2.4 in x 0.54 in (10.8 mm x 82.9 mm x 14.4 mm)	0.45 in x 3.45 in x 0.63 in (11.41 mm x 87.6 mm x 16.1 mm)			
Cutting Resolution	Cut on wire between every module				
Power Supply	GEPS24-25U-EU Input: 220-240VAC; Output: 24VDC GEPS24D-80U Input: 90-305VAC; Output: 24VDC GEPS24-100U-GL(X) Input: 108-305VAC; Output: 24VDC GEPS24-300U-GL Input: 108-305VAC; Output: 24VDC				
Maximum Supply Wire Limits		18 AWG/0.82 mm² Supply Wire	16 AWG/1.31 mm² Supply Wire	14 AWG/2.08 mm² Supply Wire	12 AWG/3.31 mm² Supply Wire
	25W Power Supply	120 ft./36.6 m	-	-	-
	80W Power Supply	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m	40 ft./12.1 m
	100W Power Supply	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m	40 ft./12.1 m
300W Power Supply	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m	40 ft./12.1 m	
Operating Environment	-40 °C to +60 °C				
Warranty	Current offers a limited system warranty of up to ten (10) years				
System Certifications	UL Recognized (C-US) #E219167, UL Classified (C-US) #E229508, CE, ROHS • IP66 rated: for dry, damp or wet location.				